

SEQUENCE LISTING

<110> Lobley, Anna Elizabeth
 Michalovich, David
 Stancovski, Ilana
 Allen, Kathryn Elizabeth
 Allen, Janet Marjorie
 Osypenko, Vadym Nikolaevich
 Gurney, Alison Marion

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<151> 2002-07-19

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 35 40 45
 Ile Gln Ile Pro Asn Asn Gly Ser Ala Pro Leu Leu Val Asp Val Arg
 50 55 60
 Val Phe Val Ser Asn Val Phe Asn Val Asp Ile Leu Arg Tyr Thr Met
 65 70 75 80
 Ser Ser Met Leu Leu Leu Arg Leu Ser Trp Leu Asp Thr Arg Leu Ala
 85 90 95
 Trp Asn Thr Ser Ala His Pro Arg His Ala Ile Thr Leu Pro Trp Glu
 100 105 110
 Ser Leu Trp Thr Pro Arg Leu Thr Ile Leu Glu Ala Leu Trp Val Asp
 115 120 125
 Trp Arg Asp Gln Ser Pro Gln Ala Arg Val Asp Gln Asp Gly His Val
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 Lys Leu Asn Leu Ala Leu Ala Thr Glu Thr Asn Cys Asn Phe Glu Leu
 145 150 155 160
 Leu His Phe Pro Arg Asp His Ser Asn Cys Ser Leu Ser Phe Tyr Ala
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 Leu Ser Asn Thr Ala Met Glu Leu Glu Phe Gln Ala His Val Val Asn
 180 185 190
 Glu Ile Val Ser Val Lys Arg Glu Tyr Val Val Tyr Asp Leu Lys Thr
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 Gln Val Pro Pro Gln Gln Leu Val Pro Cys Phe Gln Val Thr Leu Arg
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 Leu Lys Asn Thr Ala Leu Lys Ser Ile Ile Ala Leu Leu Val Pro Ala
 225 230 235 240
 Glu Ala Leu Leu Leu Ala Asp Val Cys Gly Gly Leu Leu Pro Leu Arg
 245 250 255
 Ala Ile Glu Arg Ile Gly Tyr Lys Val Thr Leu Leu Leu Ser Tyr Leu
 260 265 270
 Val Leu His Ser Ser Leu Val Gln Ala Leu Pro Ser Ser Ser Cys
 275 280 285
 Asn Pro Leu Leu Ile Tyr Tyr Phe Thr Ile Leu Leu Leu Leu Phe
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 Leu Ser Thr Ile Glu Thr Val Leu Leu Ala Gly Leu Leu Ala Arg Gly
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 Asn Leu Gly Ala Lys Ser Gly Pro Ser Pro Ala Pro Arg Gly Glu Gln
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Ile Leu Glu Ala
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	20		25			30	

Phe Val	Phe Ala	Gly Ile	Trp Met	Trp Ala	Ala Cys	Lys Ser	Asp Ala
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Thr	Leu	Leu	Leu	Val	His	Gly	Gln	Gly	Phe	Gln	Gly	Thr	Ala	Ala	Ile
				20				25					30		

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 Ile Gln₅₀ Ile Pro Asn Asn₅₅ Gly Ser Ala Pro Leu₆₀ Leu Val Asp Val Arg
 Val Phe Val Ser Asn Val₇₀ Phe Asn Val Asp Ile₇₅ Leu Arg Tyr Thr Met₈₀
 Ser Ser Met Leu₈₅ Leu Arg Leu Ser Trp₉₀ Leu Asp Thr Arg Leu Ala₉₅
 Trp Asn Thr Ser₁₀₀ Ala His Pro Arg His₁₀₅ Ala Ile Thr Leu Pro₁₁₀ Trp Glu
 Ser Leu Trp₁₁₅ Thr Pro Arg Leu Thr₁₂₀ Ile Leu Glu Ala Leu₁₂₅ Trp Val Asp
 Trp Arg₁₃₀ Asp Gln Ser Pro Gln₁₃₅ Ala Arg Val Asp Gln₁₄₀ Asp Gly His Val
 Lys₁₄₅ Leu Asn Leu Ala₁₅₀ Leu Ala Thr Glu Thr Asn₁₅₅ Cys Asn Phe Glu Leu₁₆₀
 Leu His Phe Pro Arg₁₆₅ Asp His Ser Asn Cys₁₇₀ Ser Leu Ser Phe Tyr₁₇₅ Ala
 Leu Ser Asn Thr₁₈₀ Ala Met Glu Leu Glu₁₈₅ Phe Gln Ala His Val₁₉₀ Val Asn
 Glu Ile Val₁₉₅ Ser Val Lys Arg Glu₂₀₀ Tyr Val Val Tyr Asp₂₀₅ Leu Lys Thr
 Gln Val₂₁₀ Pro Pro Gln Gln₂₁₅ Leu Val Pro Cys Phe Gln₂₂₀ Val Thr Leu Arg
 Leu₂₂₅ Lys Asn Thr Ala Glu₂₃₀ Phe Arg Arg Pro Leu₂₃₅ Phe Tyr Val Val Ser₂₄₀
 Leu Leu Leu Pro Ser₂₄₅ Ile Phe Leu Met Val₂₅₀ Met Asp Ile Val Gly₂₅₅ Phe
 Tyr Leu Pro Pro₂₆₀ Asn Ser Gly Glu Arg₂₆₅ Val Ser Phe Lys Ile₂₇₀ Thr Leu
 Leu Leu Gly₂₇₅ Tyr Ser Val Phe Leu₂₈₀ Ile Ile Val Ser Asp₂₈₅ Thr Leu Pro
 Ala Thr₂₉₀ Ala Ile Gly Thr Pro₂₉₅ Leu Ile Gly Val Tyr₃₀₀ Phe Val Val Cys
 Met₃₀₅ Ala Leu Leu Val Ile₃₁₀ Ser Leu Ala Glu Thr₃₁₅ Ile Phe Ile Val Arg₃₂₀
 Leu Val His Lys Gln₃₂₅ Asp Leu Gln Gln Pro₃₃₀ Val Pro Ala Trp Leu Arg₃₃₅
 His Leu Val Leu₃₄₀ Glu Arg Ile Ala Trp₃₄₅ Leu Leu Cys Leu Arg₃₅₀ Glu Gln
 Ser Thr Ser₃₅₅ Gln Arg Pro Pro Ala₃₆₀ Thr Ser Gln Ala Thr₃₆₅ Lys Thr Asp

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Asp Cys Ser Ala Met Gly Asn His Cys Ser His Met Gly Gly Pro Gln
 370 375 380
 Asp Phe Glu Lys Ser Pro Arg Asp Arg Cys Ser Pro Pro Pro Pro Pro
 385 390 395 400
 Arg Glu Ala Ser Leu Ala Val Cys Gly Leu Leu Gln Glu Leu Ser Ser
 405 410 415
 Ile Arg Gln Phe Leu Glu Lys Arg Asp Glu Ile Arg Glu Val Ala Arg
 420 425 430
 Asp Trp Leu Arg Val Gly Ser Val Leu Asp Lys Leu Leu Phe His Ile
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 Ser Ile Trp Gln Tyr Ala
 465 470

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 Val Arg Pro Val Arg Asp Trp Arg Lys Pro Thr Thr Val Ser Ile Asp
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 Val Ile Val Tyr Ala Ile Leu Asn Val Asp Glu Lys Asn Gln Val Leu
 65 70 75 80
 Thr Thr Tyr Ile Trp Tyr Arg Gln Tyr Trp Thr Asp Glu Phe Leu Gln
 85 90 95
 Trp Asn Pro Glu Asp Phe Asp Asn Ile Thr Lys Leu Ser Ile Pro Thr
 100 105 110
 Asp Ser Ile Trp Val Pro Asp Ile Leu Ile Asn Glu Phe Val Asp Val
 115 120 125
 Gly Lys Ser Pro Asn Ile Pro Tyr Val Tyr Ile Arg His Gln Gly Glu
 130 135 140
 Val Gln Asn Tyr Lys Pro Leu Gln Val Val Thr Ala Cys Ser Leu Asp
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 Ile Tyr Asn Phe Pro Phe Asp Val Gln Asn Cys Ser Leu Thr Phe Thr
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 Ser Trp Leu His Thr Ile Gln Asp Ile Asn Ile Ser Leu Trp Arg Leu
 180 185 190

Pro Glu Lys Val Lys Ser Asp Arg Ser Val Phe Met Asn Gln Gly Glu
 195 200 205
 Trp Glu Leu Leu Gly Val Leu Pro Tyr Phe Arg Glu Phe Ser Met Glu
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 Ser Ser Asn Tyr Tyr Ala Glu Met Lys Phe Tyr Val Val Ile Arg Glu
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 Ile Gly Tyr Lys Val Thr Leu Leu Leu Ser Tyr Leu Val Leu His Ser
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 Ser Leu Val Gln Ala Leu Pro Ser Ser Ser Ser Cys Asn Pro Leu Leu
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 Glu Thr Val Leu Leu Ala Gly Leu Leu Ala Arg Gly Asn Leu Gly Ala
 325 330 335
 Lys Ser Gly Pro Ser Pro Ala Pro Arg Gly Glu Gln Arg Glu His Gly
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 Asn Pro Gly Pro His Pro Ala Glu Glu Pro Ser Arg Gly Val Lys Gly
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 Ser Gln Arg Ser Trp Pro Glu Thr Ala Asp Arg Ile Phe Phe Leu Val
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